

ABSTRACT OF THE DISCLOSURE

A Shock absorbing support system isolates vibrations that would otherwise pass through the important instrument mounted on the vibration source. The isolation includes springs and dampers under the bottom of the instrument while dampers around tops of the instrument. The combination of the springs and the dampers results in a dissipation of kinetic energy caused by vibrations that would otherwise pass through the instrument and cause significant dynamic load and damages to the support and the instrument.